

AMENDMENTS TO THE CLAIMS:

Claim 1 (original): A fixture, having a screw shape, to be implanted in bone tissue, the fixture comprising an uppermost part protruding outside the bone tissue when implanted in the bone tissue and a body part placed in the bone tissue, the body part having a cortical bone coupling part installed in cortical bone and a cancellous bone coupling part installed in cancellous bone, wherein the cancellous bone coupling part comprises a large cancellous screw thread formed on a circumferential outer surface of the cancellous bone coupling part and a small cancellous screw thread formed on a ridge of the large cancellous screw thread, and the cortical bone coupling part comprises a small cortical screw thread having a pitch, a root diameter and an outer diameter almost equal to a pitch, a root diameter and an outer diameter of the small cancellous screw thread.

Claim 2 (original): A fixture, having a screw shape, to be implanted in bone tissue, the fixture comprising an uppermost part protruding outside the bone tissue when implanted in the bone tissue and a body part placed in the bone tissue, the body part comprising a cortical bone coupling part installed in cortical bone and a cancellous bone coupling part installed in cancellous bone, wherein the cancellous bone coupling part comprises a large cancellous screw thread formed on a circumferential outer surface of the cancellous bone coupling part and a small cancellous screw thread formed on a ridge of the large cancellous screw thread, and the cortical bone coupling part comprises a large cortical screw thread extending from the large cancellous screw thread and a small cortical screw thread formed on a ridge of the large cortical screw thread, wherein the number of small cortical screw threads is greater than the number of small cancellous screw threads.

Claim 3 (original): The fixture according to claim 2, wherein the large cortical screw thread has a lead equal to a lead of the large cancellous screw thread,

Claim 4 (original): The fixture according to claim 3, wherein a root diameter of the large cortical screw thread is increased from a lower end thereof to an upper end thereof and is equal to a root diameter of the small cortical screw thread at the upper end thereof.

Claim 5 (original): The fixture according to claim 4, wherein a root diameter of the large cancellous screw thread is constant throughout the cancellous bone coupling part.

Claim 6 (currently amended): The fixture according to ~~any one of claims 1 through 5~~, further comprising:

a plurality of longitudinal grooves formed in a circumferential outer surface of the cortical bone coupling part.

Claim 7 (new): The fixture according to claim 2, further comprising:

a plurality of longitudinal grooves formed in a circumferential outer surface of the cortical bone coupling part.

Claim 8 (new): The fixture according to claim 3, further comprising:

a plurality of longitudinal grooves formed in a circumferential outer surface of the cortical bone coupling part.

Claim 9 (new): The fixture according to claim 4, further comprising:

a plurality of longitudinal grooves formed in a circumferential outer surface of the cortical bone coupling part.

Claim 10 (new): The fixture according to claim 5, further comprising:

a plurality of longitudinal grooves formed in a circumferential outer surface of the cortical bone coupling part.